

## PROJECT OVERSIGHT REPORT

Drinking Water Information Management Enhancement  
Project (Sentry) - Department of Health (DOH)

Report as of Date:  
June 2003

**Project Director:** Frank Westrum  
**MOSTD Staff:** David Koch

**Executive Sponsor:** Bill White

**Description:** The Department of Health's (DOH) Drinking Water Information Management Enhancement project (Sentry – team selected name) will build a new core information management system to replace the aging system now used to monitor contaminants in public and private drinking water systems throughout the state. Through business and technology analyses, DOH concluded that the current system is inadequate to support decision-making about basic public health issues.

The replacement system will ensure DOH can meet these primary goals:

- Determine, track, and report the compliance status of 16,250 public water systems across the state;
- Meet current and anticipated federal and state statutory reporting requirements;
- Provide direct access to the information system for staff in the Division of Drinking Water (DDW) and business partners, such as local health agencies; and
- Establish a flexible information infrastructure that will accommodate future changes as they occur in statute or policy.

**Technology:** The current drinking water information system, Drinking Water Automated Information Network (DWAİN), was developed in ADABAS using the Natural programming language and resides on a UNIX platform. The new system is an n-tier application that is partitioned into User, Business, and Data Services. This seven-layer architecture utilizes SQL Server 2000 at the Data tier, COM+ at the Business tier, and ASP/XML/XSL at the Presentation tier. The application will be physically divided and hosted on two Windows 2000 servers.

**Life Cycle Stage:** The project is in the construction/testing phase and the selected vendor; COVANSYS (formerly known as CBSI, Inc.) continues its work with DDW.

**Budget:** Due to re-scoping, the project has remained on budget with adequate contingency funds. The budget for the project, as determined by the feasibility study, is \$6.3 million. DOH secured \$1.7 million in federal funds to cover the start-up activities, the feasibility study, initial work on the preferred option, all on-going system maintenance, and support costs incurred during the 1997-99 Biennium. Additional federal funds are expected to meet up to 70 percent of the total budget requirement. The contract for the system development was negotiated within available resources. Re-scoping of the project will deliver a system that meets the basic Drinking Water business needs with the funds available.

**Schedule:** Software delivery changes and UAT findings have impacted the expected completion date of July 2003. Phase I was constructed, completed UAT, and was deployed to users on May 19<sup>th</sup> 2002. Phase II contains five sub-components (2.1 through 2.5) in two production releases. Phase II analysis and construction was begun concurrently to Phase I User Acceptance Testing (UAT). Phase II 2.1 UAT started on January 21<sup>st</sup> 2003 and is scheduled for completion on July 25<sup>th</sup>, 2003. Phase II 2.2 – 2.5 UAT is scheduled for July and August 2003. Final deployment to users and overall project completion date is now expected to be early fall, 2003.

**Status:** The project continues with agency executive and ISB Staff oversight. DOH has committed to return to the ISB for a complete project review in the event of any significant schedule or budget changes.

The users continue to stay deeply involved in the project through an improved communications plan and user acceptance testing. Project completion has slipped from July 2003 to September 2003.

**Recommendation:** There are no recommendations at this time. ISB Staff will remain a part of the project steering committee to provide continued oversight and recommendations for compliance with ISB requirements.